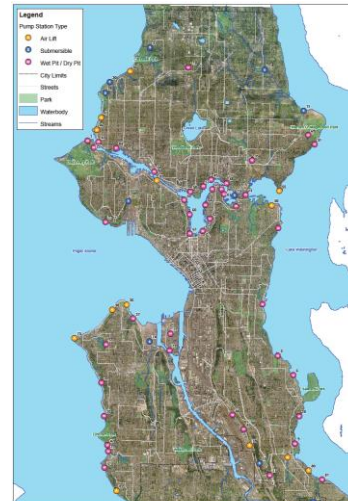


## General Information

Steven Drangsholt, Sr. Civil Engineer  
Utility Systems Management Branch  
700 5th Avenue, Suite 4900  
PO Box 34018  
Seattle, Washington 98124

Tel: 206-684-7649

Email: [Steven.Drangsholt@Seattle.gov](mailto:Steven.Drangsholt@Seattle.gov)



## Background

Seattle Public Utilities owns and operates 68 wastewater pump stations within the city limits. The primary purpose of the pump stations is to receive wastewater from gravity sewer pipes in an enclosed basin and convey this sewage to a discharge point outside of the basin. Wastewater is pumped from a station through a force main into SPU's collection infrastructure or the regional trunk collection system owned and operated by King County.

Forty three (43) of these stations are listed as combined sewer overflow (CSO) sites in SPU's National Pollutant Discharge Elimination System (NPDES) waste discharge permit. SPU's current permit and consent decree states that each outfall shall have a long term average of one overflow per site per year. The remaining twenty five (25) serve basins that convey sanitary sewer only. Sanitary sewer overflows (SSO) and dry weather overflows (DWO) from any pump station sites are not permitted.

## Project Scope

The type of work the consultant will perform includes Options Analysis evaluations for seven wastewater pump stations identified through the 2011 force main criticality assessment. The pump stations include PS 7, 10, 13, 37, 51, 43, and 63. These assessments will include analysis of station performance, estimation of remaining useful life of key equipment and proposed improvements. The project will work closely with Field Operations to develop standard condition assessment data collection techniques and documentation.

SPU operates 12 airlift-type pump stations. These pump stations contain outdated technology and are inflexible to variable system flows. Over the next few years, SPU will be working to replace these pump stations with submersible stations. Work in 2014 will include Options Analysis evaluations for replacement of these stations.

## Contracting Opportunities

The selected consultant should have a strong background and understanding of asset management principles, drainage and wastewater system planning and design practices, and condition assessment tools and techniques. The contract scope of work will be structured to encourage the use of subconsultants who may not have the background and understanding as stated above but they would have expertise in areas that support sub-tasks within the proposed contract scope of work. Seattle encourages the partnering of consultants to provide a broad range of skills and knowledge.

Schedule of Events	Target Date
RFQPA Release	Anticipated April 30, 2014